

78-5

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of: ROQUES et al.

Serial No.: 09/908,977

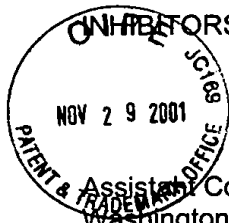
Examiner

Filed: 20 July 2001

Art Unit

For: TRIPEPTIDE COMPOUNDS USEFUL AS SELECTIVE Docket No. P07290US00/BAS

INHIBITORS OF AMINOPEPTIDASE A AND...



**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

S I R :

**This IDS is submitted herewith pursuant to 37 CFR. §1.97-1.98 and includes the following:**

- ☒ A listing of the references on PTO-1449.
- ☒ A copy of references which have come to applicant's attention.
- ☒ A copy of a corresponding foreign Search Report explaining the relevance of those references.
- ☐ A separate explanation of relevance.

**Please note the following particulars concerning the filing of this IDS:**

- ☒ This IDS is filed **within three months** of the filing date of a national application other than a CPA, or within three months of the date of entry into the national stage as set forth in 37 CFR. §1.491 in an international application, or before the mailing date of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination, whichever event occurs last.

☐ This IDS is filed **after a first action**, but before a final action, allowance, or any other action which closes prosecution, **and:**

☐ is accompanied by a check in the amount of \$180.00 required by 37 CFR. §1.17(p).

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☐ I hereby state that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

☐ I hereby state that no item of information in this IDS herewith was cited in a communication from a foreign patent office in a counterpart foreign application, or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR. §1.56(c) more than 3 months prior to the filing of this IDS.

☐ An appropriate statement is attached.

..... This IDS is filed **after a final action or allowance**, but on/before payment of the issue fee, and:  
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..... from a foreign patent office in a counterpart foreign application, or, to my knowledge after  
..... making reasonable inquiry, was known to any individual designated in 37 CFR. §1.56(c)  
..... more than 3 months prior to the filing of this IDS.

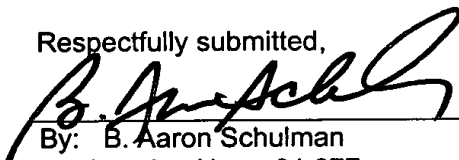
..... An appropriate statement is attached.

..... This IDS is being filed pursuant to 37 CFR. §1.97(i), **for placement in the file.**

**X** ..... If no check is enclosed and a fee is due in connection with this communication or if the check  
..... enclosed is insufficient, the Commissioner is authorized to charge any fee or additional fee due  
..... with this communication to Deposit Account No. 12-0555. A duplicate of this sheet is enclosed.

Respectfully submitted,

Date: 29 November 2001

  
By: B. Aaron Schulman  
Registration No.: 31,877

**LARSON & TAYLOR, PLC • 1199 North Fairfax St. • Suite 900 • Alexandria, VA 22314**

Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet 1 of 1

Application No.: 09/908,977

Filing Date: 20 July 2001

First Named Inventor: ROQUES et al.

Group Art Unit:

Examiner Name:

Attorney Docket No.: P07290US00/BAS

**U.S. PATENT DOCUMENTS**

Exam. Initial	Document No. Number - Kind	Publication Date MM-DD-YYYY	Name Patentee or Applicant	Relevance Passages or Figures

**FOREIGN PATENT DOCUMENTS**

Exam. Initial	DOCUMENT Country-Number-Kind	Publication Date MM-DD-YYYY	Country	Relevance Passages or Figures	Trans
	0 181 644	05/21/1986	EUROPE		
	WO 99/24461	05/20/1999	WIPO		

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Exam. Initial	Author Name (in CAPS), Title of Article/Item, Date, Page(s), Volume-Issue No., Publisher, City and/or Country where published	Trans
	GORDON et al., "Design of novel inhibitors of aminopeptidases", Journal of Medicinal Chemistry, Vol. 31, No. 11 (November 1988), pp. 2199-2211	
	BISCHOFF et al., "Characterization and inhibition of aminopeptidase A", Peptides 1996, Proceedings of the 24 <sup>th</sup> European Peptide Symposium, September 8-13, Edimburgh, Scotland, 1998, pp. 263-264.	
	MARTIN et al., "Beta-amino thiols inhibit the zinc metallopeptidase activity of tetanus toxin light chain", Journal of Medicinal Chemistry, Vol. 41, no. 18, 27 August 1998, pp. 3450-3460	
	Chemical Abstracts, vol. 128, no. 20, 18 May 1998, Abstract No. 241119, DAVID et al., "Characterization and inhibition of aminopeptidase A by alpha-mercapto-beta amino acyl dipeptides" & Lett. Pept. Sci., vol. 4, no. 4-5-6, 1997, pp. 411-414	
	Chemical Abstracts, vol. 131, no. 17, 25 October 1999, Abstract No. 223620, BISCHOFF et al., "Aminopeptidase A: selective inhibition and physiological involvement in CCK8 metabolism" & Pept. Proc. Am. Pept. Symp. 15 <sup>th</sup> , 1997, pp. 674-75	
	BISCHOFF et al., "Side-chain modified sulfonic analogues of aspartic and glutamic acids: synthesis, protection, and incorporation into peptides", Journal of Organic Chemistry, vol. 64, no. 4, 19 February 1999, pp. 1420-23	
	DAVID et al., "Investigation of subsite preferences in aminopeptidase A (EC 3.4.11.7) led to the design of the first highly potent and selective inhibitors of this enzyme", Journal of Medicinal Chemistry, vol. 42, no. 25, 23 November 1999, pp. 5197-5211	

Examiner Signature

Date Considered

\* Examiner: Initial if considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.